

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104510.D
 Acq On : 14 Apr 2018 7:31
 Operator : JU/SJ
 Sample : J2368-04
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 16 00:40:42 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 13 17:38:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	119866	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	474127	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	201593	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	296276	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	225433	20.00	ng	-0.01
86) Perylene-d12	15.44	264	176786	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	330706	42.19	ng	0.00
7) Phenol-d6	6.44	99	287759	29.88	ng	0.00
23) Nitrobenzene-d5	7.37	82	713947	98.33	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	152908	73.12	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1223444	95.87	ng	0.00
78) Terphenyl-d14	12.93	244	886777	89.68	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	630	Below Cal		# 1
10) Phenol	6.45	94	26897	2.632	ng	97
19) n-Nitroso-di-n-propylamine	7.37	70	95380	15.154	ng	# 73
25) Isophorone	7.37	82	713942	46.498	ng	# 64
49) Dimethylphthalate	9.56	163	55307	3.479	ng	99
50) 2,6-Dinitrotoluene	9.85	165	25823	8.779	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	25823	6.692	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	113	7.413	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	9412	2.987	ng	# 1
76) Benzidine	12.93	184	11442	Below Cal		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

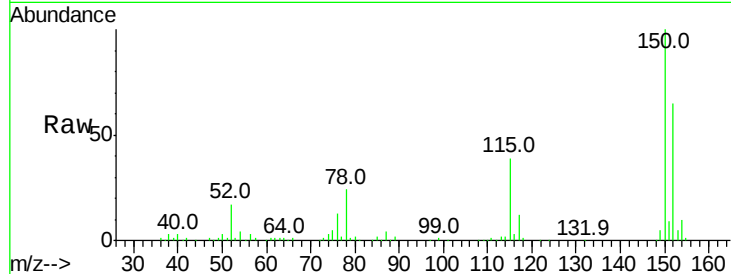


#1

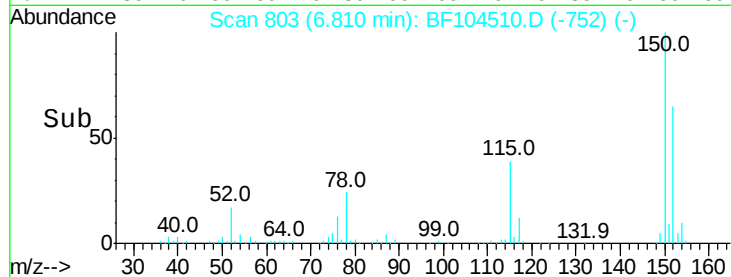
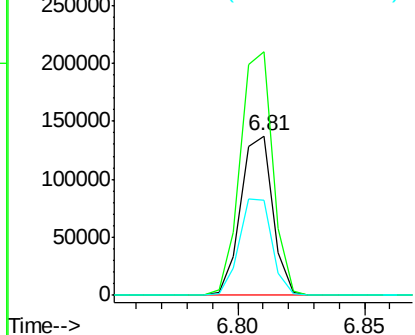
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104510.D
Acq: 14 Apr 2018 7:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 119866
Ion Ratio Lower Upper
152 100
150 152.9 124.6 186.8
115 59.5 50.1 75.1



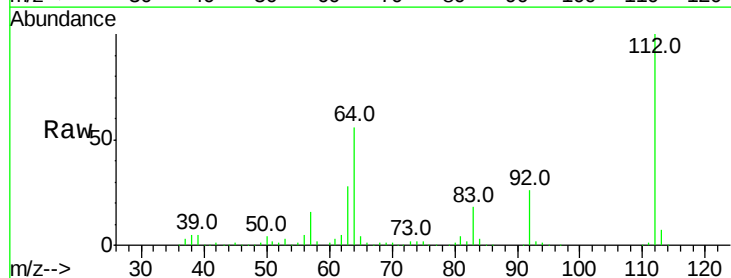
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



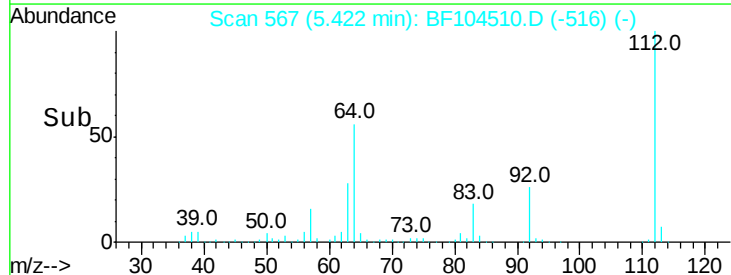
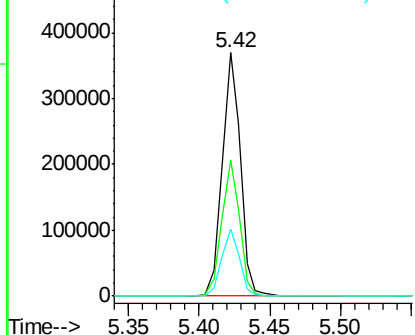
#5

2-Fluorophenol
Concen: 42.186 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.00 min
Lab File: BF104510.D
Acq: 14 Apr 2018 7:31

Tgt Ion:112 Resp: 330706
Ion Ratio Lower Upper
112 100
64 56.1 47.9 71.9
63 27.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 29.876 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104510.D

Acq: 14 Apr 2018 7:31

Instrument :

BNA_F

ClientSampled :

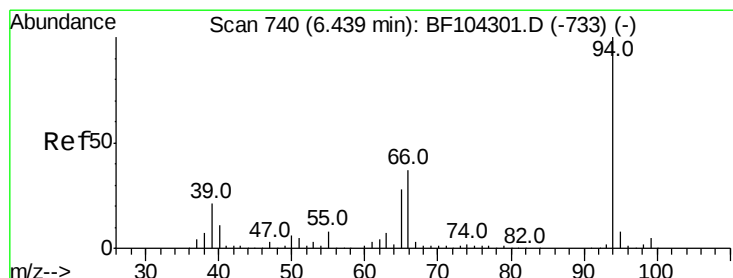
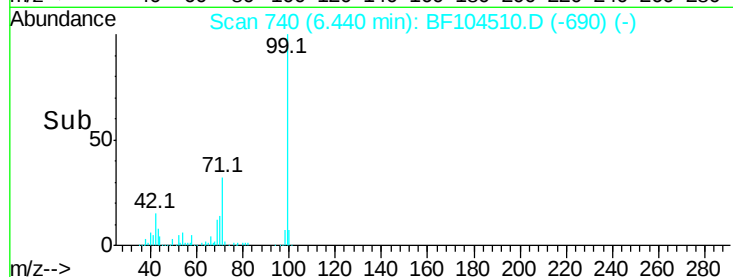
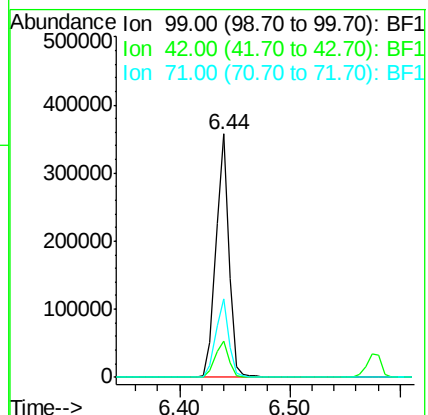
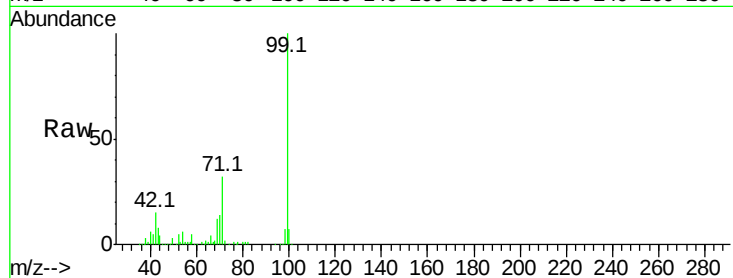
Tot Ion: 99 Resp: 287759

Ion Ratio Lower Upper

99 100

42 14.9 14.5 21.7

71 32.3 25.4 38.0



#10

Phenol

Concen: 2.632 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF104510.D

Acq: 14 Apr 2018 7:31

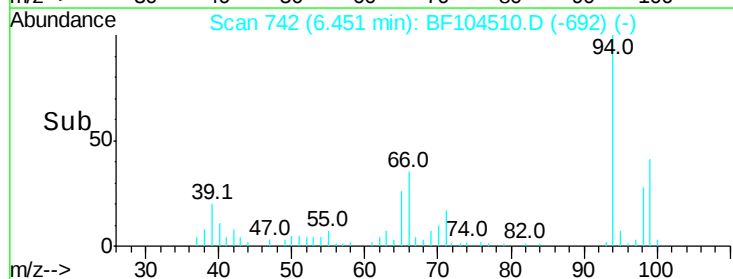
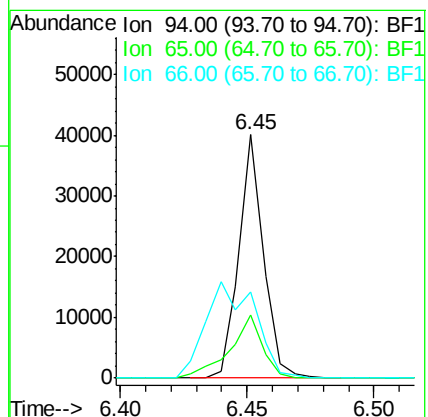
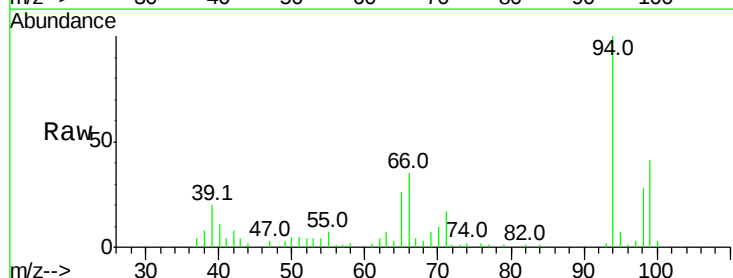
Tgt Ion: 94 Resp: 26897

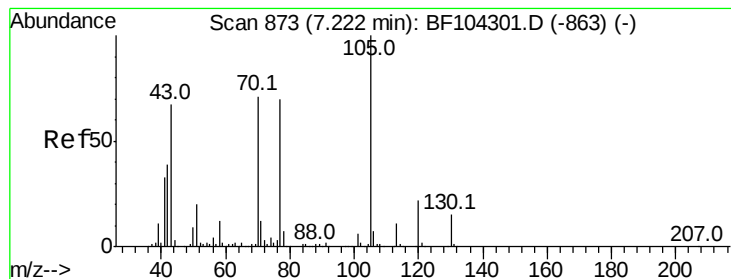
Ion Ratio Lower Upper

94 100

65 25.7 7.9 47.9

66 35.3 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 15.154 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104510.D

Acq: 14 Apr 2018 7:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 95380

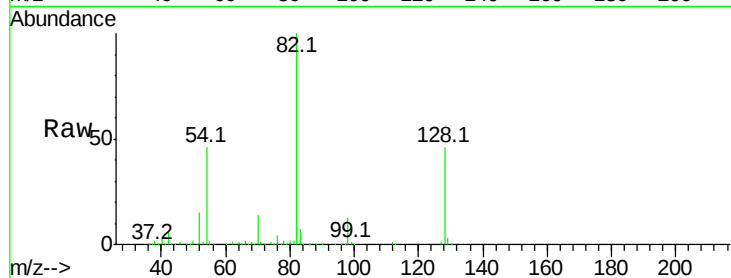
Ion Ratio Lower Upper

70 100

42 41.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

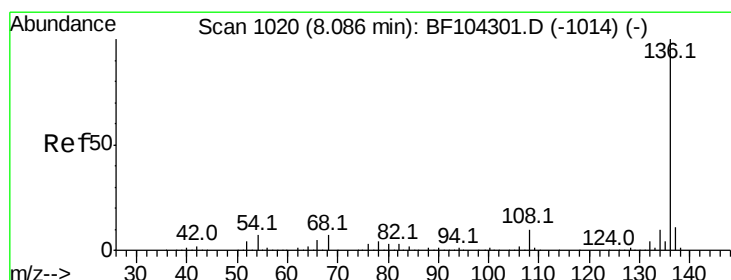
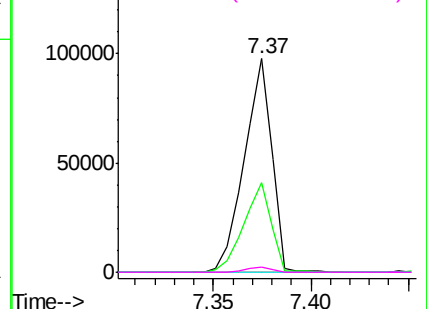
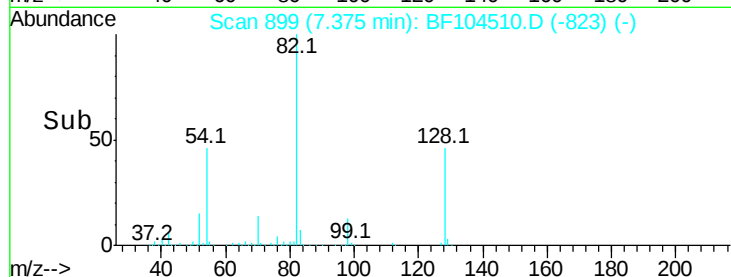


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF104510.D

Acq: 14 Apr 2018 7:31

Tgt Ion:136 Resp: 474127

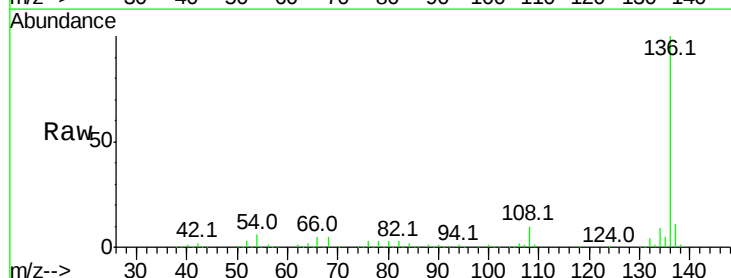
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.4 6.6 9.8#

68 5.5 5.0 7.4

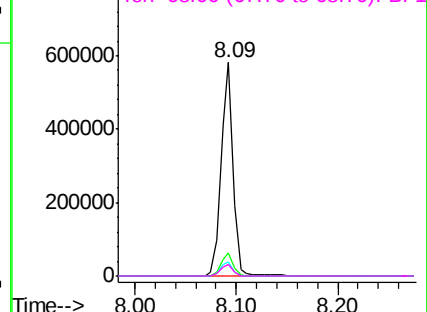
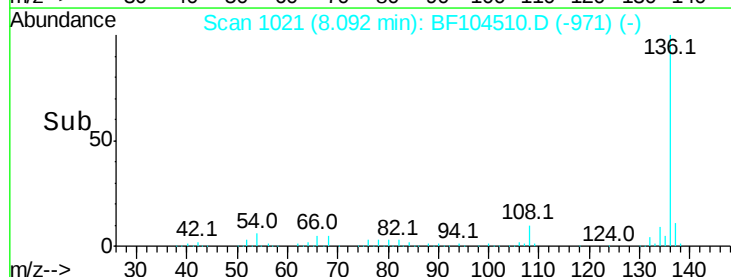


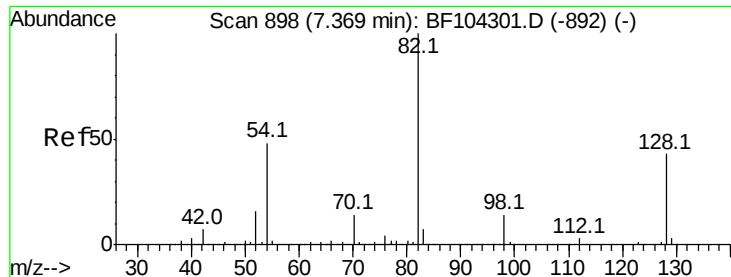
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

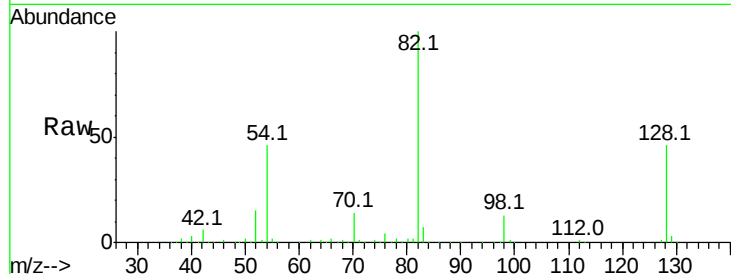




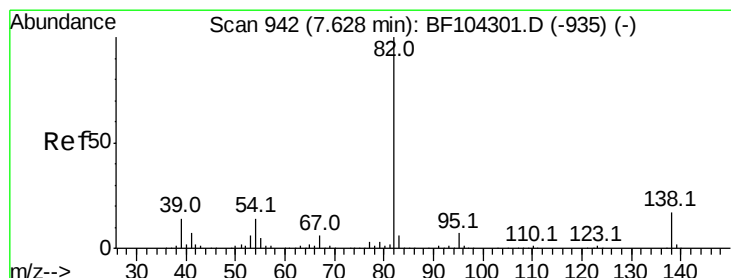
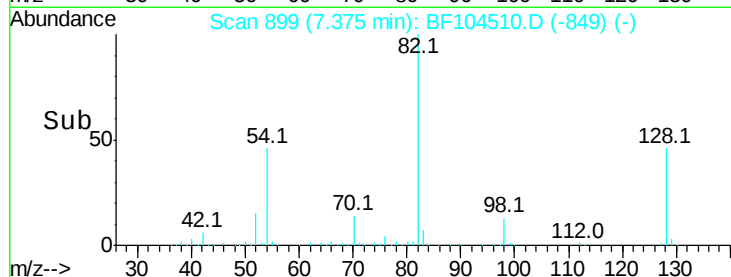
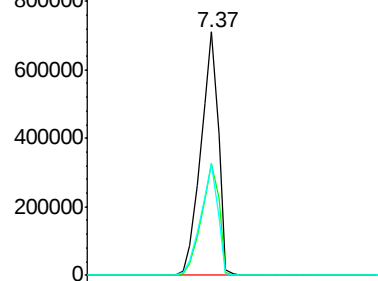
#23
Nitrobenzene-d5
Concen: 98.327 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104510.D
Acq: 14 Apr 2018 7:31

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	45.9	41.4	62.2

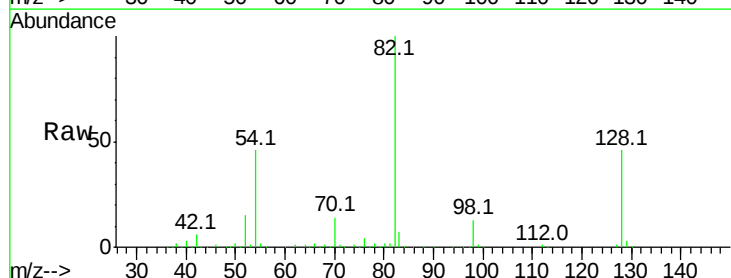


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

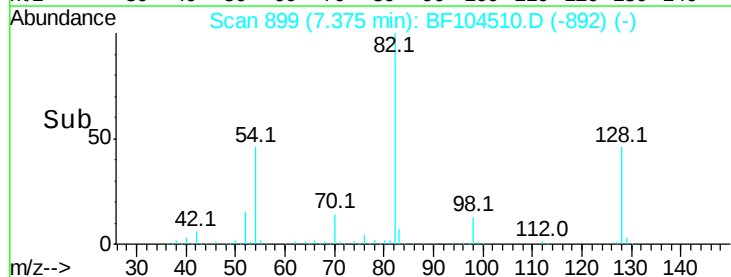
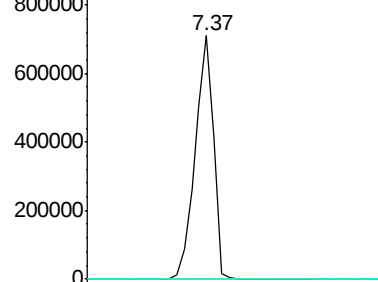


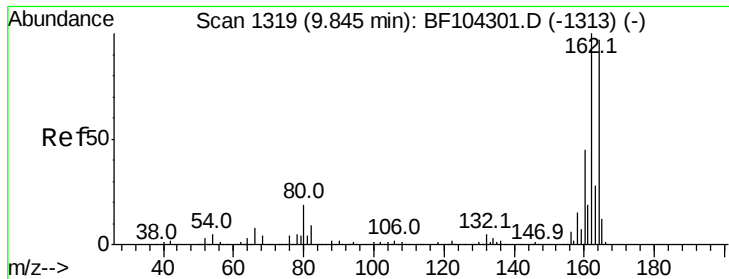
#25
Isophorone
Concen: 46.498 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF104510.D
Acq: 14 Apr 2018 7:31

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

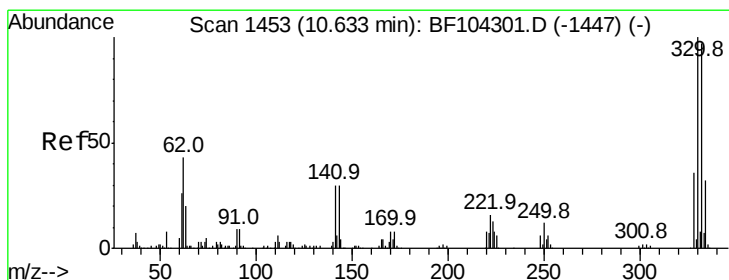
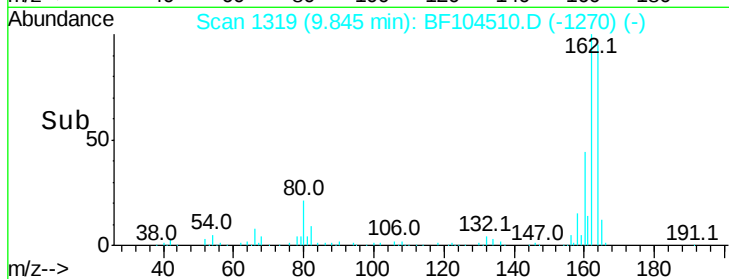
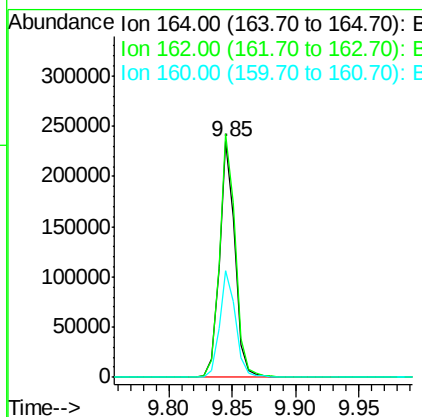
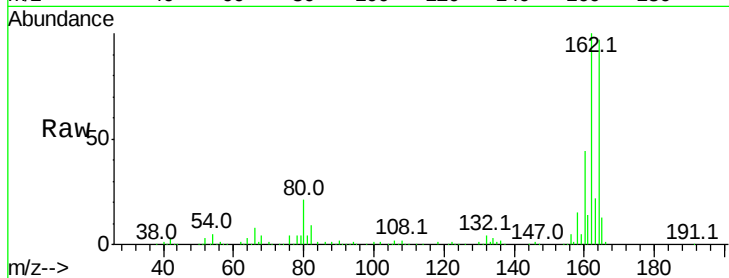




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF104510.D
 Acq: 14 Apr 2018 7:31

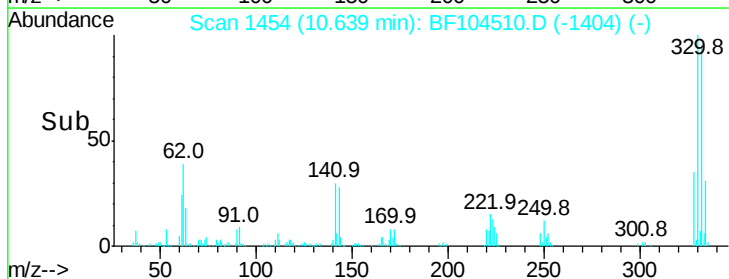
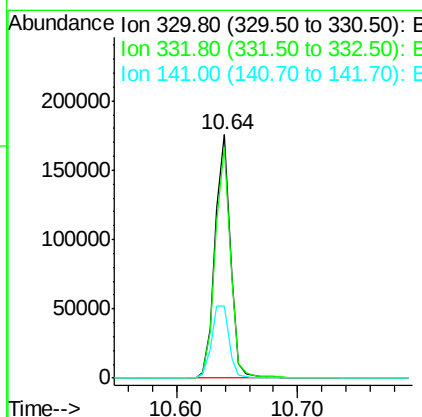
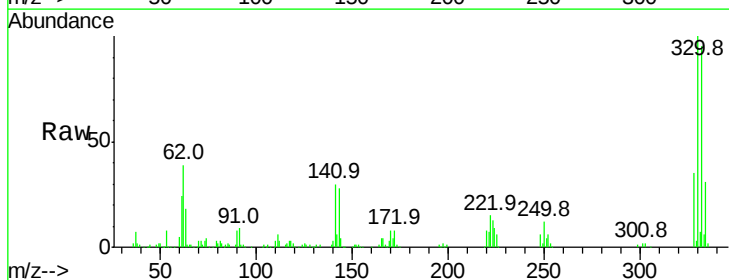
Instrument :
 BNA_F
 ClientSampleId :

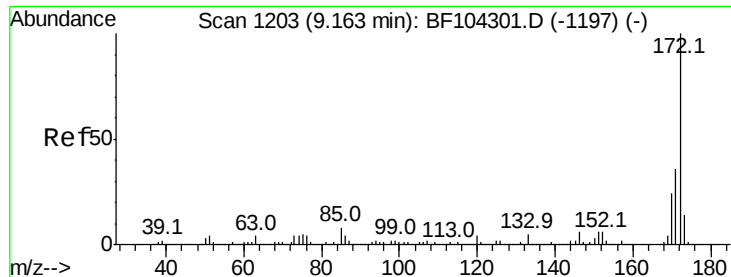
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.4	86.1	129.1
160	45.2	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 73.120 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104510.D
 Acq: 14 Apr 2018 7:31

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	34.0	29.9	44.9

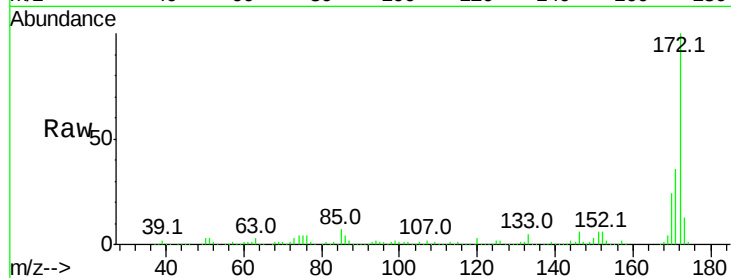




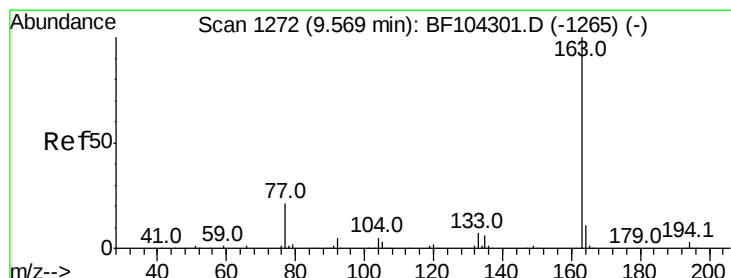
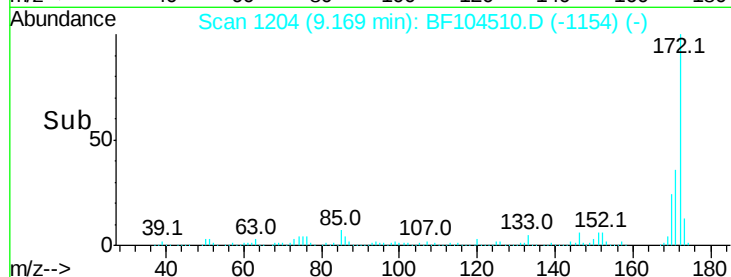
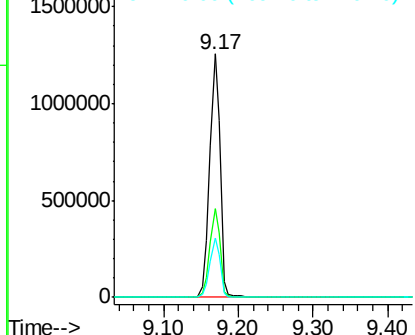
#44
2-Fluorobiphenyl
Concen: 95.873 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF104510.D
Acq: 14 Apr 2018 7:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1223444
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 24.3 19.6 29.4

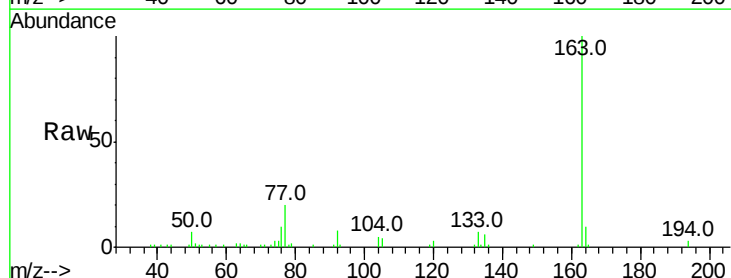


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

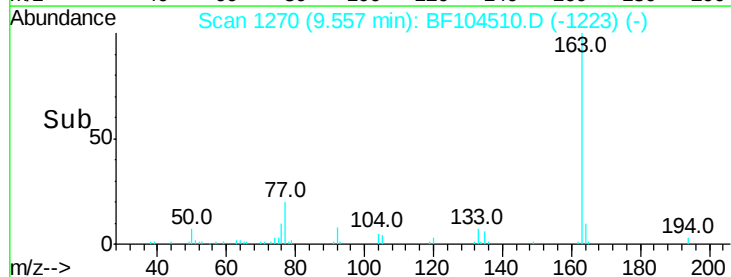
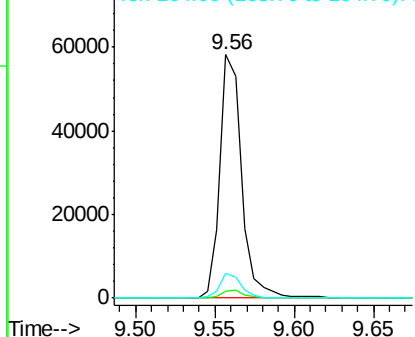


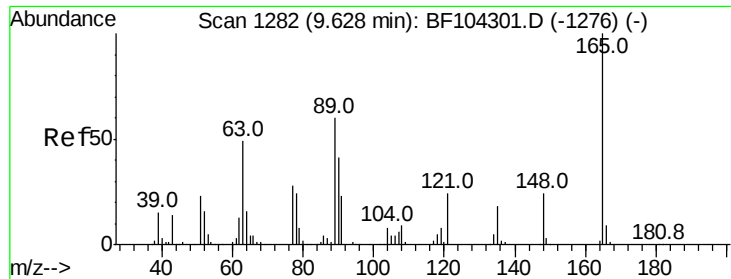
#49
Dimethylphthalate
Concen: 3.479 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF104510.D
Acq: 14 Apr 2018 7:31

Tgt Ion:163 Resp: 55307
Ion Ratio Lower Upper
163 100
194 2.9 2.7 4.1
164 10.0 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

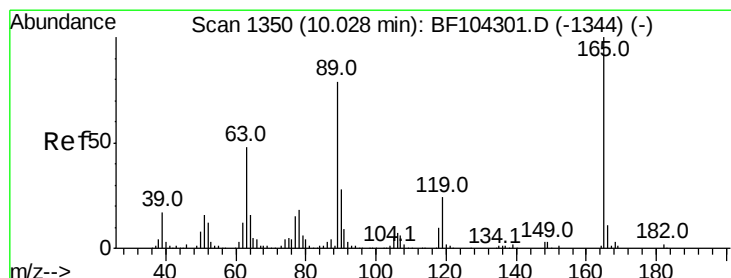
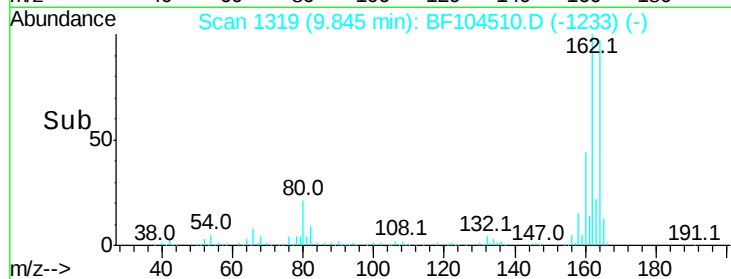
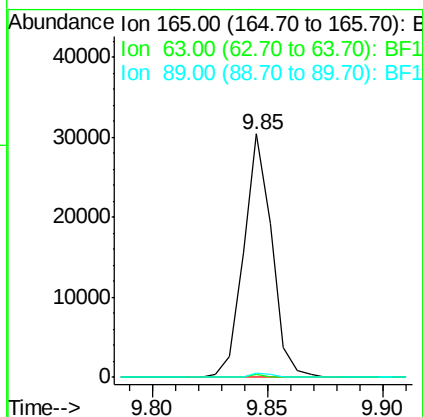
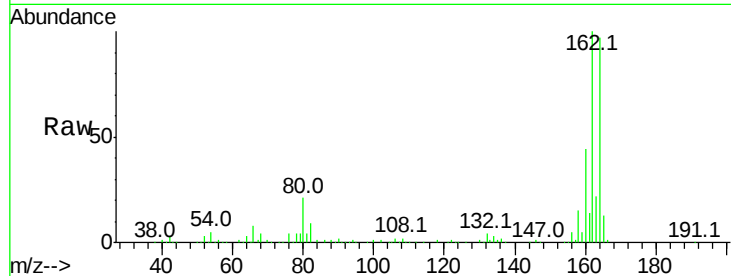




#50
 2,6-Dinitrotoluene
 Concen: 8.779 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF104510.D
 Acq: 14 Apr 2018 7:31

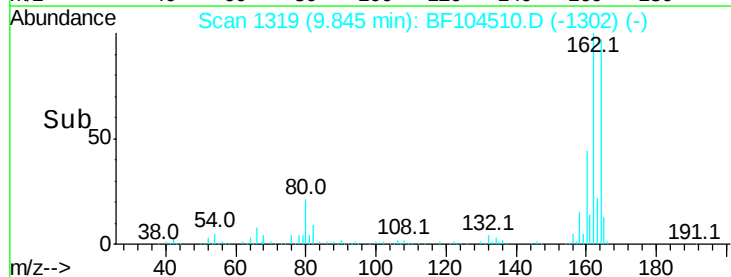
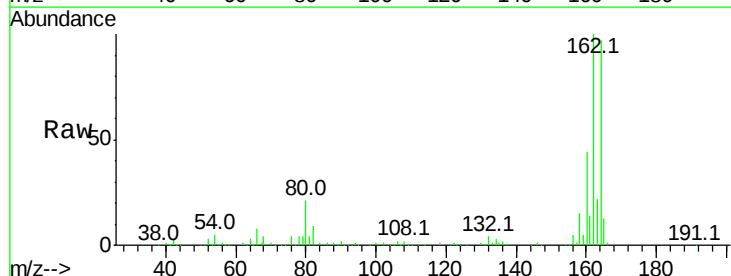
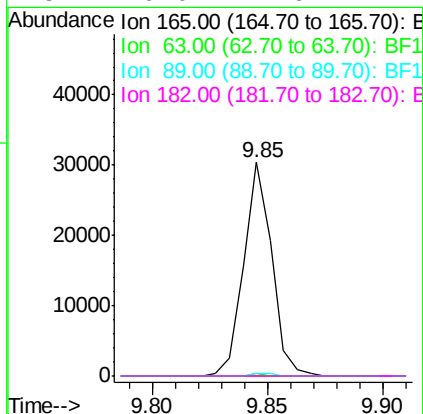
Instrument :
 BNA_F
 ClientSampleId :

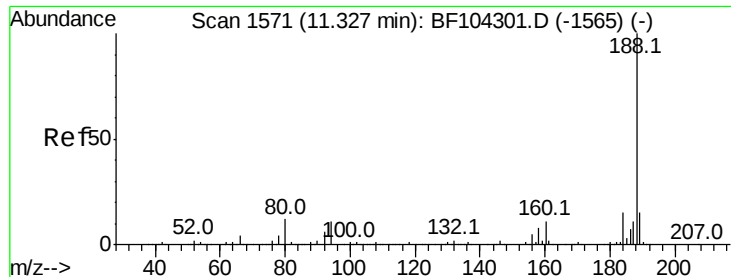
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.5	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.692 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF104510.D
 Acq: 14 Apr 2018 7:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

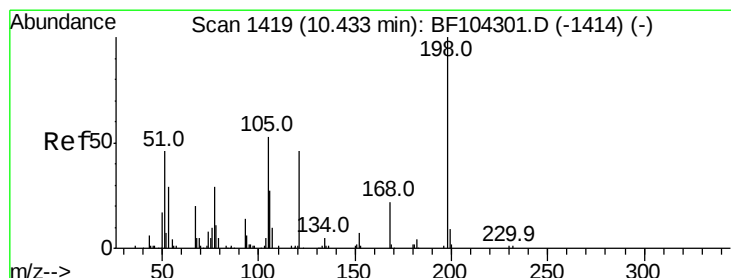
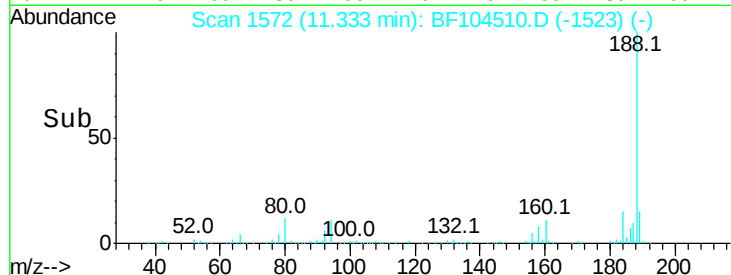
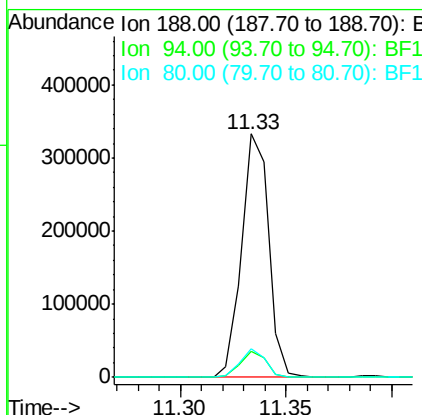
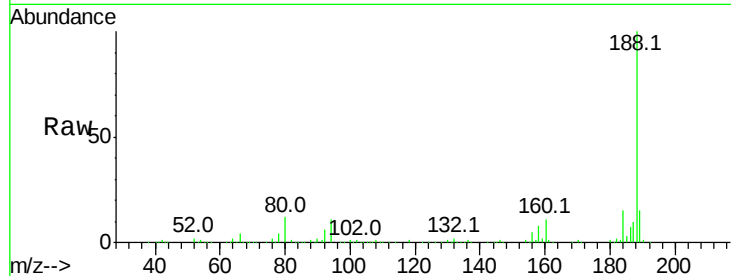




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF104510.D
Acq: 14 Apr 2018 7:31

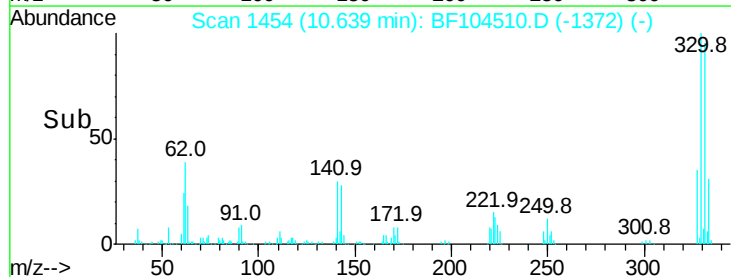
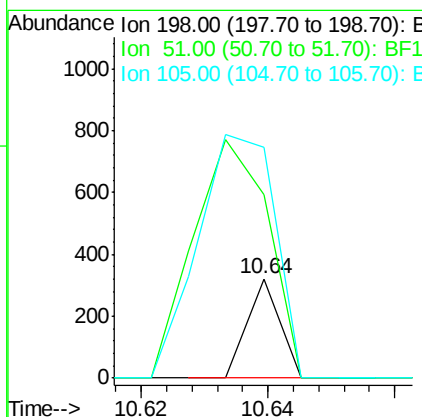
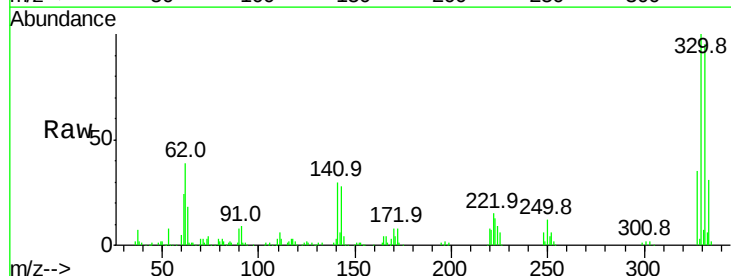
Instrument :
BNA_F
ClientSampleId :

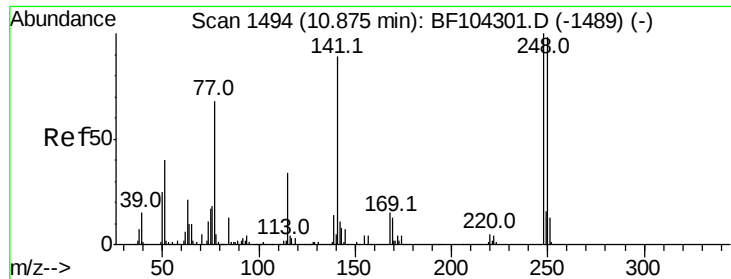
Tot Ion:188 Resp: 296276
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 11.6 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.413 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF104510.D
Acq: 14 Apr 2018 7:31

Tgt Ion:198 Resp: 113
Ion Ratio Lower Upper
198 100
51 184.4 37.7 77.7#
105 232.4 36.3 76.3#

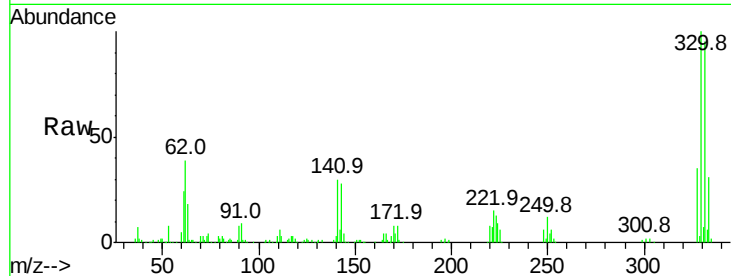




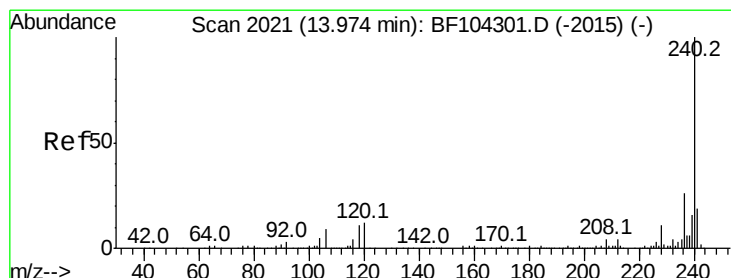
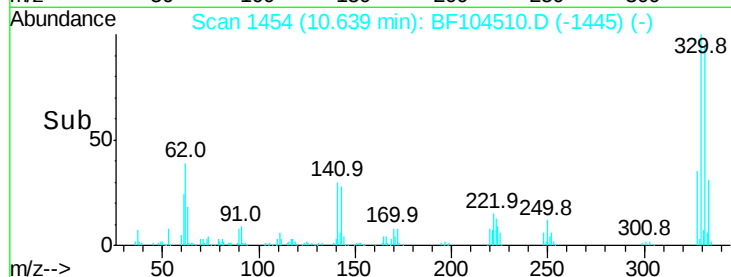
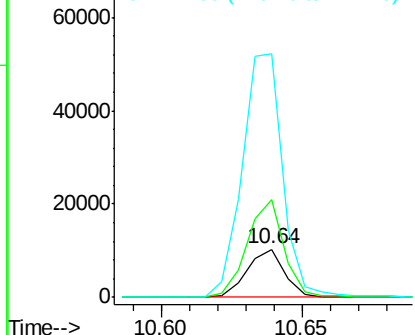
#66
4-Bromophenyl-phenylether
Concen: 2.987 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.25 min
Lab File: BF104510.D
Acq: 14 Apr 2018 7:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9412
Ion Ratio Lower Upper
248 100
250 203.8 76.9 115.3#
141 506.9 74.4 111.6#

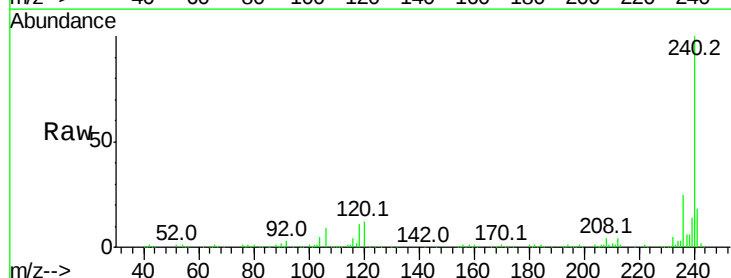


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

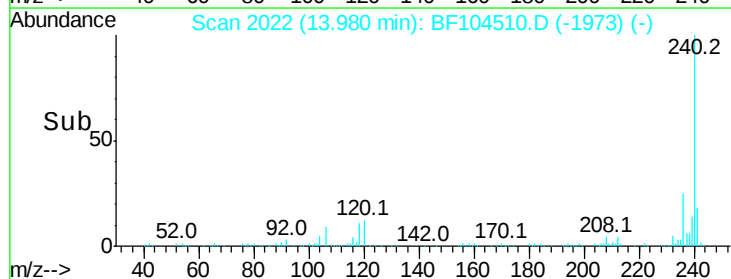
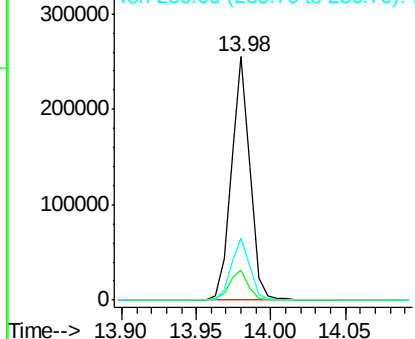


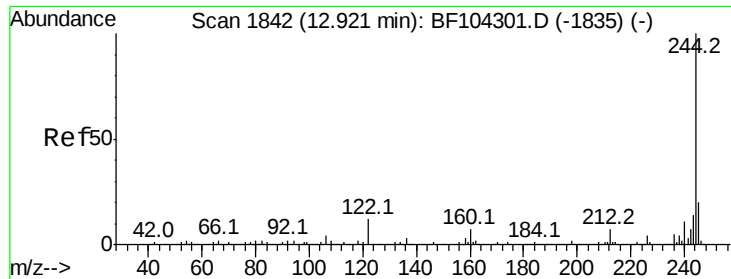
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF104510.D
Acq: 14 Apr 2018 7:31

Tgt Ion:240 Resp: 225433
Ion Ratio Lower Upper
240 100
120 12.1 9.5 14.3
236 25.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

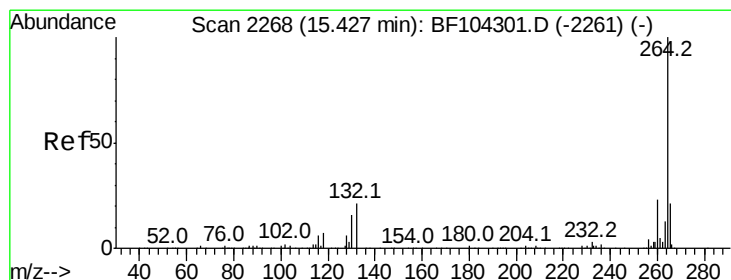
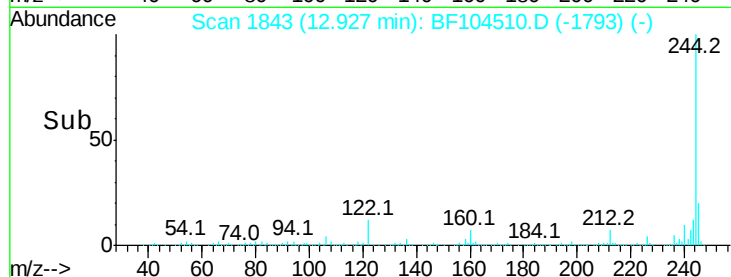
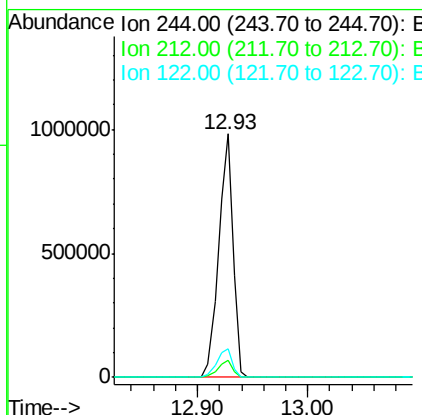
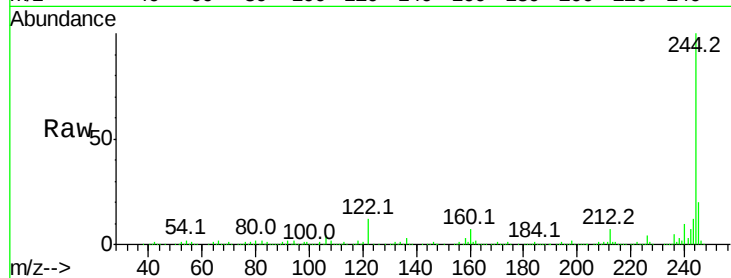




#78
 Terphenyl-d14
 Concen: 89.681 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF104510.D
 Acq: 14 Apr 2018 7:31

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 886777
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.9 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: BF104510.D
 Acq: 14 Apr 2018 7:31

Tgt Ion:264 Resp: 176786
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 22.4 17.5 26.3

